



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

Division of Drinking Water

June 26 2015
System No. 5510023

Mr. Bob Wilhelm, Board Liason
Sonora Meadows Mutual Water Company
P.O. Box 3718
Sonora, CA 95370

RE: Compliance Order No. 03-11-15R-008 Violation of Title 22, California Code of Regulations, Section 64533(a), HAA5 MCL

Dear Mr. Wilhelm:

The State Water Resources Control Board – Division of Drinking Water (Division) has issued Compliance Order No. 03-11-15R-008, for violation of the Stage 2 Disinfection Byproduct Rule Haloacetic acids Maximum Contaminant Level (HAA5 MCL). The compliance order is enclosed.

As required in the Compliance Order, the Sonora Meadows Mutual Water Company (Company) is expected to propose a solution and implement a project to ensure that water delivered to customers meets the haloacetic acids (HAA5) MCL. The Company is required to provide quarterly public notification for the HAA5 MCL violation and to continue quarterly TTHM and HAA5 monitoring of ST2DBP-21256 Crestview and ST2DBP-16547 Creekside.

The Company will be billed at the Division's hourly rate (currently estimated at \$128.00) for the time spent on issuing this Compliance Order. The California Health and Safety Code Section 116577 provides that a public water system must reimburse the Division for actual costs incurred by the Division for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with an order. At this time, the Division has spent approximately two hours on enforcement activities associated with this violation.

The Company will receive a bill sent from the Division of Drinking Water Fee Billing Unit in August of the next fiscal year. This bill will contain fees for any enforcement time spent on Water System for the current fiscal year.

If you have any questions regarding this matter, please contact me at (559) 447-3316.

Sincerely,

Kassy D. Chauhan, P.E.
Senior Sanitary Engineer, Merced District
Central California Region
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

CLC/KDC/mlm
Enclosures
Cc: Tuolumne County Environmental Health Department

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3 **STATE OF CALIFORNIA**
4 **WATER RESOURCES CONTROL BOARD**
5 **DIVISION OF DRINKING WATER**

6 **IN RE: SONORA MEADOWS MUTUAL WATER COMPANY**
7 Water System No. 5510023

8 **TO:** Mr. Bob Wilhelm
9 Board Liason
10 P.O. Box 1176
11 Sonora, CA 95370

12 **CC:** Tuolumne County Environmental Health Department (no attachments)
13 Aaron Pingree, Contract Operator, 19969 Greenley Road, Suite G
14 Sonora, CA 95370

15 **COMPLIANCE ORDER NO. 03-11-15R-008**
16 **FOR**
17 **VIOLATION OF THE HEALTH AND SAFETY CODE SECTION 116655 (A)(1)**
18 **AND THE CALIFORNIA CODE OF REGULATIONS, TITLE 22, SECTION 64533 (A),**
19 **HALOACETIC ACIDS MCL**

20 Issued on June 8, 2015

21 Section 116655, Chapter 4 of the California Health and Safety Code authorizes the
22 issuance of an Order for failure to comply with a requirement of the California Safe
23 Drinking Water Act, or any regulation, standard, permit, or order issued thereunder.

24
25 The State Water Resources Control Board (hereinafter "Board"), acting by and through
26 its Division of Drinking Water (hereinafter "Division") and the Deputy Director for the
27

1 Division (hereinafter "Deputy Director"), hereby issues a compliance order to the Sonora
2 Meadows Mutual Water Company (P.O. Box 1176, Sonora, CA 95370) for violation of
3 California Code of Regulations (CCR), Title 22, Section 64533 (a), Maximum
4 Contaminant Level for Disinfection By-Products, Haloacetic acids.

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6 **APPLICABLE AUTHORITIES**

7 The applicable statutes and regulations are provided in Attachment A, attached hereto
8 and incorporated by reference.
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11 **STATEMENT OF FACTS**

12 The Sonora Meadows Mutual Water Company (hereinafter "Company") is a community
13 water system located in Tuolumne County. The Company serves water to a population
14 of approximately 1,123 through 521 service connections. The Company uses
15 purchased water from TUD-Upper Basin (WS No. 5510012) out of the Crystal Falls
16 Surface Water Treatment Plant. The Company operates under Domestic Water Supply
17 Permit No. 80-003 issued on January 21, 1980.
18

19
20 CCR, Title 22, Chapter 15.5 (hereinafter "Stage 2 Disinfection Byproduct Rule" or
21 "S2DBPR") adopted by California, effective June 21, 2012, requires water systems
22 serving less than 10,000 persons to monitor and report disinfection byproducts and
23 residual disinfectant levels. The S2DBPR applies to any community or nontransient-
24 noncommunity water system that treats water with a chemical disinfectant in any part of
25 the treatment process or that provides water containing a chemical disinfectant.
26
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CCR Section 64533 establishes a maximum contaminant level (hereinafter "MCL") in drinking water for total trihalomethanes (hereinafter "TTHM") and haloacetic acids (five) (hereinafter "HAA5") in drinking water of 0.080 mg/L and 0.060 mg/L, respectively.

CCR, Section 64534.2(d), establishes a routine monitoring frequency for a surface water system serving a population between 500 - 3,300 individuals of at least one sample at the location with the highest TTHM measurement and one at the location with the highest HAA5 measurement per quarter.

CCR, Section 64535.2(e)(1), specifies ongoing compliance determinations for quarterly TTHM and HAA5 monitoring; specifically, compliance with the TTHM and HAA5 MCLs are based on a locational running annual average (LRAA), computed quarterly, at each approved sample site. The Company is required to collect two TTHM samples and two HAA5 samples at the locations in the distribution system with the highest historic TTHM and HAA5 results, respectively. The Company's approved S2DBPR sample sites are: ST2DBP-212259 Crestview and ST2DBP- Creekside. A summary of the Company's recent TTHM and HAA5 monitoring results is presented in the table below.

Table 1: Stage 2 DBPR Sample Site Results

Sample Location	Sample Date				LRAA, mg/l
	Q2 2014	Q3 2014	Q4 2014	Q1 2015	
21259 Crestview					
TTHM	0.063	0.060	0.031	0.042	0.049
HAA5	0.039	0.060	0.047	0.069	0.054

Sample Location	Sample Date				LRAA
	Q2 2014	Q3 2014	Q4 2014	Q1 2015	
16547 Creekside					
TTHM	0.052	0.049	0.026	0.035	0.041
HAA5	0.056	0.069	0.041	0.081 avg. (0.090+0.071)/2	0.062

The Company completed an operational evaluation of the water system. The elevated levels of HAA5s during first quarter of 2015 monitoring period may be due to the water stagnation in the storage tank as a result of low water usage in the winter months.

DETERMINATIONS

Based on the above Statement of Facts, the Division has determined that the Company has violated the LRAA MCL for HAA5 during the first quarter of 2015 for the sample site location: ST2DBP-16547 Creekside, as shown in Table 1 above.

DIRECTIVES

The Sonora Meadows Mutual Water Company is hereby directed to take the following actions:

1. On or before July 31, 2018, comply with Title 22, CCR, Section 64533 and remain in compliance.
2. On or before July 20, 2015 submit a written response to the Division indicating its agreement to comply with the directives of this Order and with the Corrective Action Plan addressed herein.

- 1 3. Commencing on the date of service of this Order, provide quarterly public
2 notification in accordance with Attachment B, hereto, of Company's failure to
3 meet the HAA5 MCL during any calendar quarter that the four-quarter locational
4 running annual average (LRAA) exceeds the MCL.
- 5
6 4. Commencing on the date of service of this Order, submit proof of each public
7 notification conducted in compliance with Directive No. 3, herein above, within 10
8 days following each such notification, using the form provided as Attachment C,
9 hereto.
- 10 5. Commencing on the date of service of this Order continue to collect quarterly
11 samples for TTHMs and HAA5s from the distribution system in accordance with
12 the approved DBP monitoring plan and ensure that the analytical results are
13 reported to the Division electronically by the analyzing laboratory no later than
14 the 10th day following the month in which the analysis was completed.
- 15
16 6. Prepare for the Division approval a Corrective Action Plan identifying
17 improvements to the water system designed to correct the water quality problem
18 (violation of the HAA5 MCL) and ensure that the Company delivers water to
19 consumers that meets primary drinking water standards. The plan shall include a
20 time schedule for completion of each of the phases of the project such as design,
21 construction, and startup, and a date as of which the Company will be in
22 compliance with the HAA5 MCL.
- 23
24 7. On or before July 31, 2015, submit the Corrective Action Plan required under
25 Directive No. 6, above, to the Division.
- 26
27

8. Timely perform the Division-approved Corrective Action Plan and each and every element of said plan according to the time schedule set forth therein.
9. On or before December 31, 2015, and every three months thereafter, submit a report to the Division in the form provided as Attachment D, hereto, showing actions taken during the previous calendar three months to comply with the Corrective Action Plan.
10. Not later than ten (10) days following the date of compliance with the HAA5 MCL, demonstrate to the Division that the water delivered by Company complies with the HAA5 MCL.
11. Notify the Division in writing no later than five (5) days prior to the deadline for performance of any Directive set forth herein if Company anticipates it will not timely meet such performance deadline.

All submittals required by this Order shall be addressed to:

Kassy D. Chauhan, P.E.
Senior Sanitary Engineer, Merced District
State Water Resources Control Board
Division of Drinking Water
265 W. Bullard Avenue, Suite 101
Fresno, CA 93704

1 As used in this Order, the date of issuance shall be the date of this Order; and the date
2 of service shall be the date of service of this Order, personal or by certified mail, on the
3 Water System.

4
5 The Division reserves the right to make such modifications to this Order and/or to issue
6 such further order(s) as it may deem necessary to protect public health and safety.
7 Such modifications may be issued as amendments to this Order and shall be deemed
8 effective upon issuance.
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11 Nothing in this Order relieves Water System of its obligation to meet the requirements of
12 the California SDWA, or any regulation, standard, permit or order issued thereunder.
13

14 **PARTIES BOUND**


15 This Order shall apply to and be binding upon the Sonora Meadows Mutual Water
16 Company, its officers, directors, agents, employees, contractors, successors, and
17 assignees.
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19 20 **SEVERABILITY**

21 The requirements of this Order are severable, and the Sonora Meadows Mutual Water
22 Company shall comply with each and every provision thereof notwithstanding the
23 effectiveness of any provisions.
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1 **FURTHER ENFORCEMENT ACTION**

2 The California SDWA authorizes the Division to issue citations and compliance orders
3 with assessment of administrative penalties to a public water system for violation or
4 continued violation of the requirements of the California SDWA or any permit,
5 regulation, permit or order issued or adopted thereunder including, but not limited to,
6 failure to correct a violation identified in a citation or compliance order. The California
7 SDWA also authorizes the Division to take action to suspend or revoke a permit that
8 has been issued to a public water system if the system has violated applicable law or
9 regulations or has failed to comply with an order of the Division; and to petition the
10 superior court to take various enforcement measures against a public water system that
11 has failed to comply with an order of the Division. The Division does not waive any
12 further enforcement action by issuance of this compliance order.
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19 Carl L. Carlucci, P.E. Chief
20 Central California Section
21 State Water Resources Control Board
22 Division of Drinking Water

6-8-2015
Date

23 Certified Mail No.: 7010 3090 0002 0396 3850

24 CLC/KDC/mlm
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Attachments:

Attachment A: Applicable Authorities

Attachment B: Public Notification Notice

Attachment C: Proof of Notification Form

Attachment D: Quarterly Progress Report Form

Applicable Statutes and Regulations for Compliance Order No. 03-11-15R-008

Section 116655 of the California Health and Safety Code (CHSC), states in relevant part:

- (a) Whenever the department determines that any person has violated or is violating this chapter, or any permit, regulation, or standard issued or adopted pursuant to this chapter, the director may issue an order doing any of the following:
- (1) Directing compliance forthwith.
 - (2) Directing compliance in accordance with a time schedule set by the department.
 - (3) Directing that appropriate preventive action be taken in the case of a threatened violation.
- (b) An order issued pursuant to this section may include, but shall not be limited to, any or all of the following requirements:
- (1) That the existing plant, works, or system be repaired, altered, or added to.
 - (2) That purification or treatment works be installed.
 - (3) That the source of the water supply be changed.
 - (4) That no additional service connection be made to the system.
 - (5) That the water supply, the plant, or the system be monitored.
 - (6) That a report on the condition and operation of the plant, works, system, or water supply be submitted to the department.

Section 64533(a), Title 22, CCR, states in relevant part:

- (a) Using the monitoring and calculation methods specified in sections 64534, 64534.2, 64535, and 64535.2, the primary MCLs for the disinfection byproducts shown in table 64533-A shall not be exceeded in drinking water supplied to the public.

Table 64533-A
Maximum Contaminant Levels and Detection Limits for Purposes of Reporting
Disinfection Byproducts

Disinfection Byproduct	Maximum Contaminant Level (mg/L)	Detection Limit for Purposes of Reporting (mg/L)
Total trihalomethanes (TTHM)	0.080	
Bromodichloromethane		0.0010
Bromoform		0.0010
Chloroform		0.0010
Dibromochloromethane		0.0010
Haloacetic acids (five) (HAA5)	0.060	
Monochloroacetic Acid		0.0020
Dichloroacetic Acid		0.0010
Trichloroacetic Acid		0.0010
Monobromoacetic Acid		0.0010
Dibromoacetic Acid		0.0010
Bromate	0.010	0.0050
Chlorite	1.0	0.020

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

Sonora Meadows MWC has levels of Disinfection Byproducts Above Drinking Water Standards

Our water system recently failed a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results we received on _____ show that our system exceeds the standard, or maximum contaminant level (MCL), for Halo Acetic Acids (HAA5). The MCL standards for HAA5 is 60 ug/L. The average level of HAA5 over the last year was 62.0 ug/l.

What should I do?

- **You do not need to use an alternative (e.g. , bottled) water supply.**
- This is not an immediate risk. If it had been, you would have been notified immediately. However, *some people who use water containing haloacetic acids in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.*
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What was done?

[Describe corrective action] _____

We anticipate resolving the problem within _____.

For more information, please contact [name] _____ at [phone number] _____ or at the following mailing address: _____

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by the Sonora Meadows MWC water system.

State Water System ID#: 5510023.

Date distributed: _____.

Certification of Completion of Public Notification

This form, when completed and returned to the Division of Drinking Water - Merced District (265 W. Bullard Ave. #101, Fresno, CA 93704 or fax to 559-447-3304), serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64463-64465.

Public Water System Name: _____

Public Water System No.: _____

Public notification for **failure to comply with the HAA5 MCL for the** _____ **quarter of** _____ was performed by the following method(s) (check and complete those that apply):

The notice was mailed to users on: _____
A copy of the notice is attached.

The notice was hand delivered to water customers on: _____
A copy of the notice is attached.

The notice was published in the local newspaper on: _____
A copy of the newspaper notice is attached.

The notice was published in conspicuous places on: _____
A copy of the notice is attached.
A list of locations the notice was posted is attached.

The notice was delivered to community organizations on: _____
A copy of the notice is attached.
A list of community organizations the notice was delivered to is attached.

I hereby certify that the above information is factual.

Printed Name

Title

Signature

Date

Disclosure: Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation each day that the violation continues. In addition, the violators may be prosecuted in criminal court and, upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Due to the Division of Drinking Water within 10 days of issuance of notice to customers

System Number: _____

Enforcement Action No. _____

Quarterly Progress Report

Water System:	Water System No.:
Compliance Order No.:	Violation:
Calendar Quarter:	Date Prepared:

This form should be prepared and signed by Water System personnel with appropriate authority to implement the directives of the Compliance Order and the Corrective Action Plan. Please attach additional sheets as necessary. The quarterly progress report must be submitted by the 10th day of each subsequent quarter, to the Division of Drinking Water, Merced District Office.

Summary of Compliance Plan:

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Tasks completed in the reporting quarter:

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Tasks remaining to complete:

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Anticipate compliance date:

--

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Name

--

Signature

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Title

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Date